# DeathTRAK Homogeneous Cytotoxicity Assay

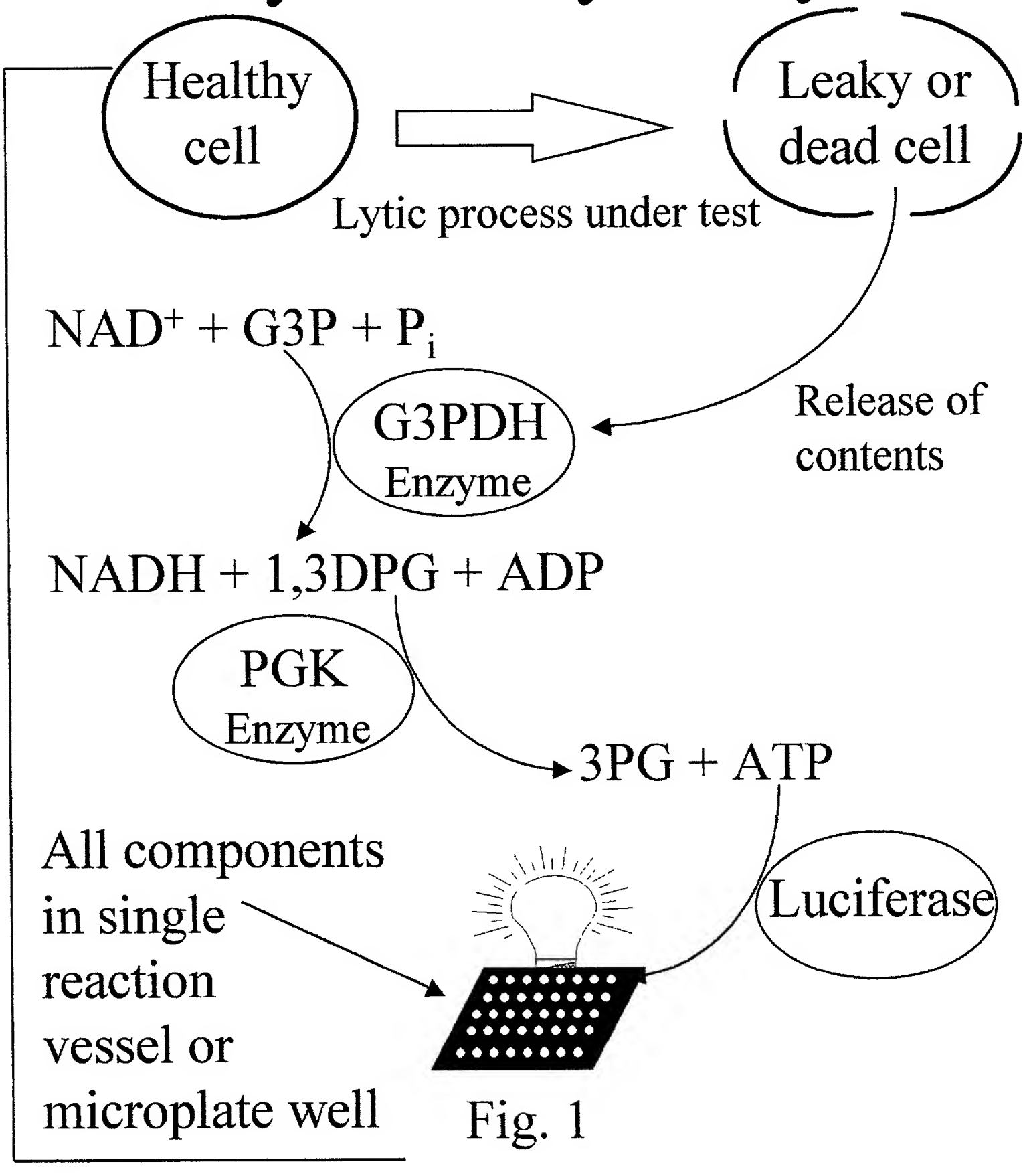


Fig. 1

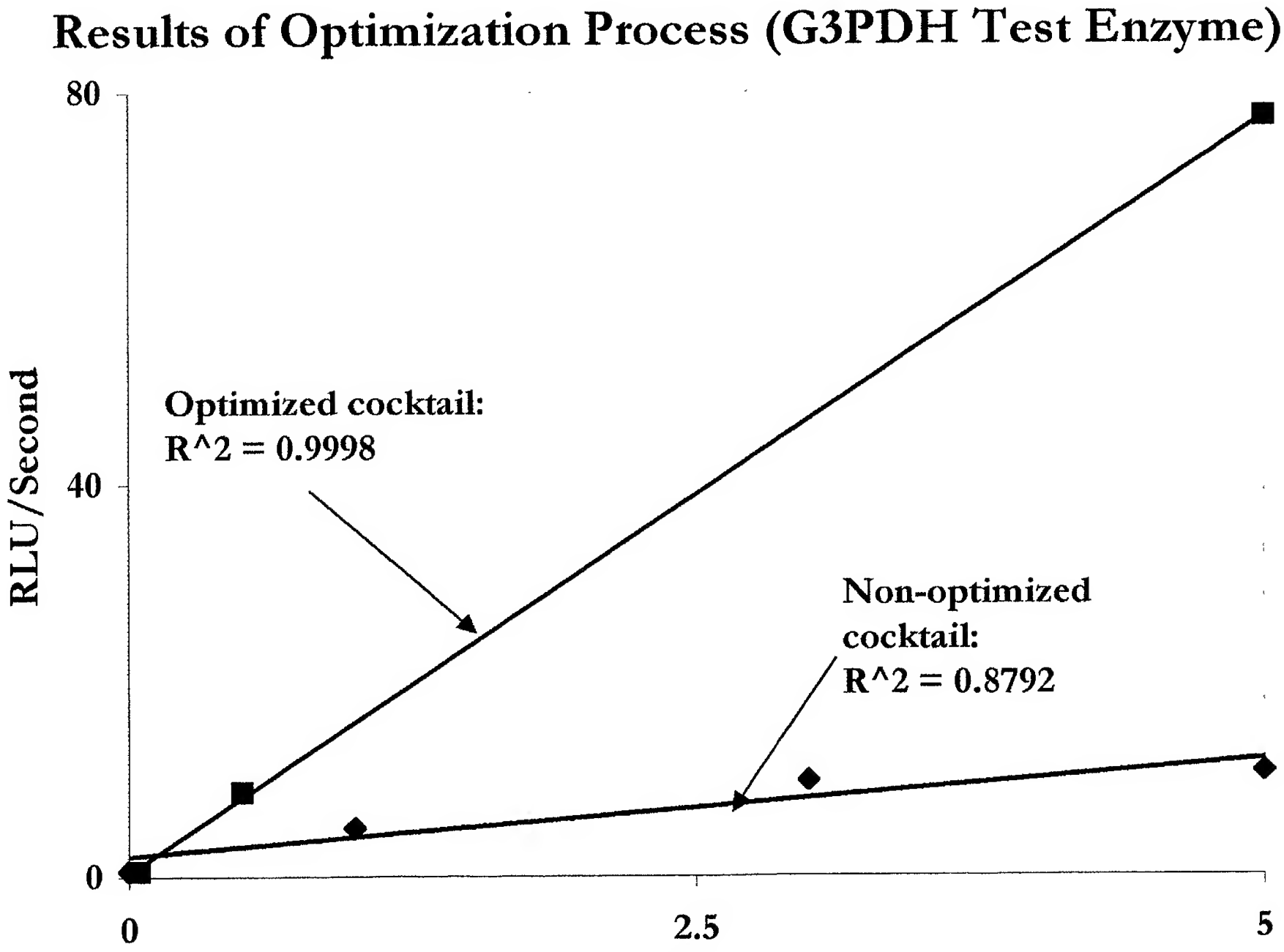


Fig. 2

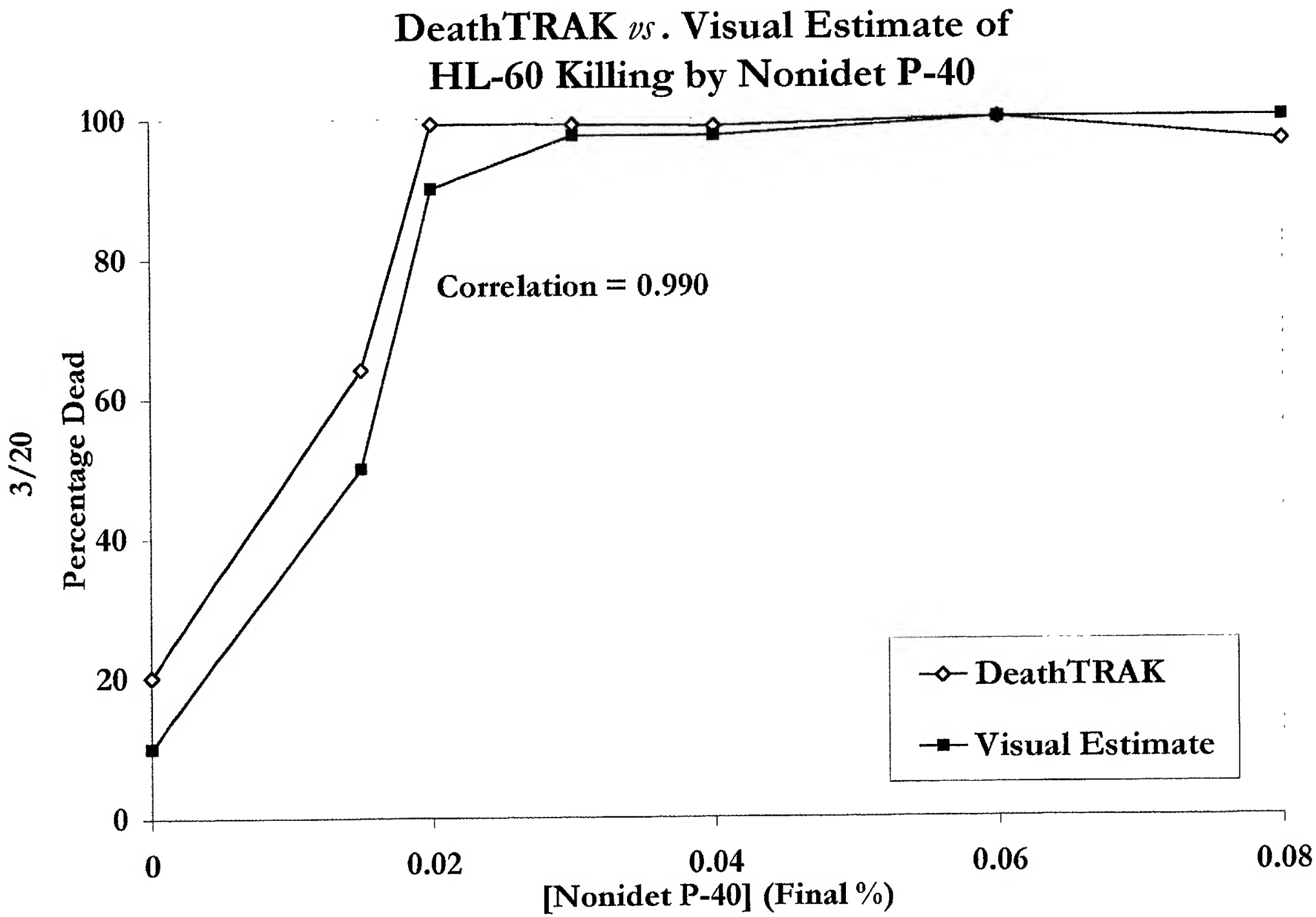
DeathTRAK vs. Visual Estimate of
HL-60 Killing by Nonidet P-40
Correlation = 0.990
Percentage Dead
100
80
60
40
20
0
0
0.02
0.04
0.06
0.08
[Nonidet P-40] (Final %)
DeathTRAK
Visual Estimate

Fig. 3

**DeathTRAK Measurement of Dead Raji Cells (0.15-1500 Cells)**

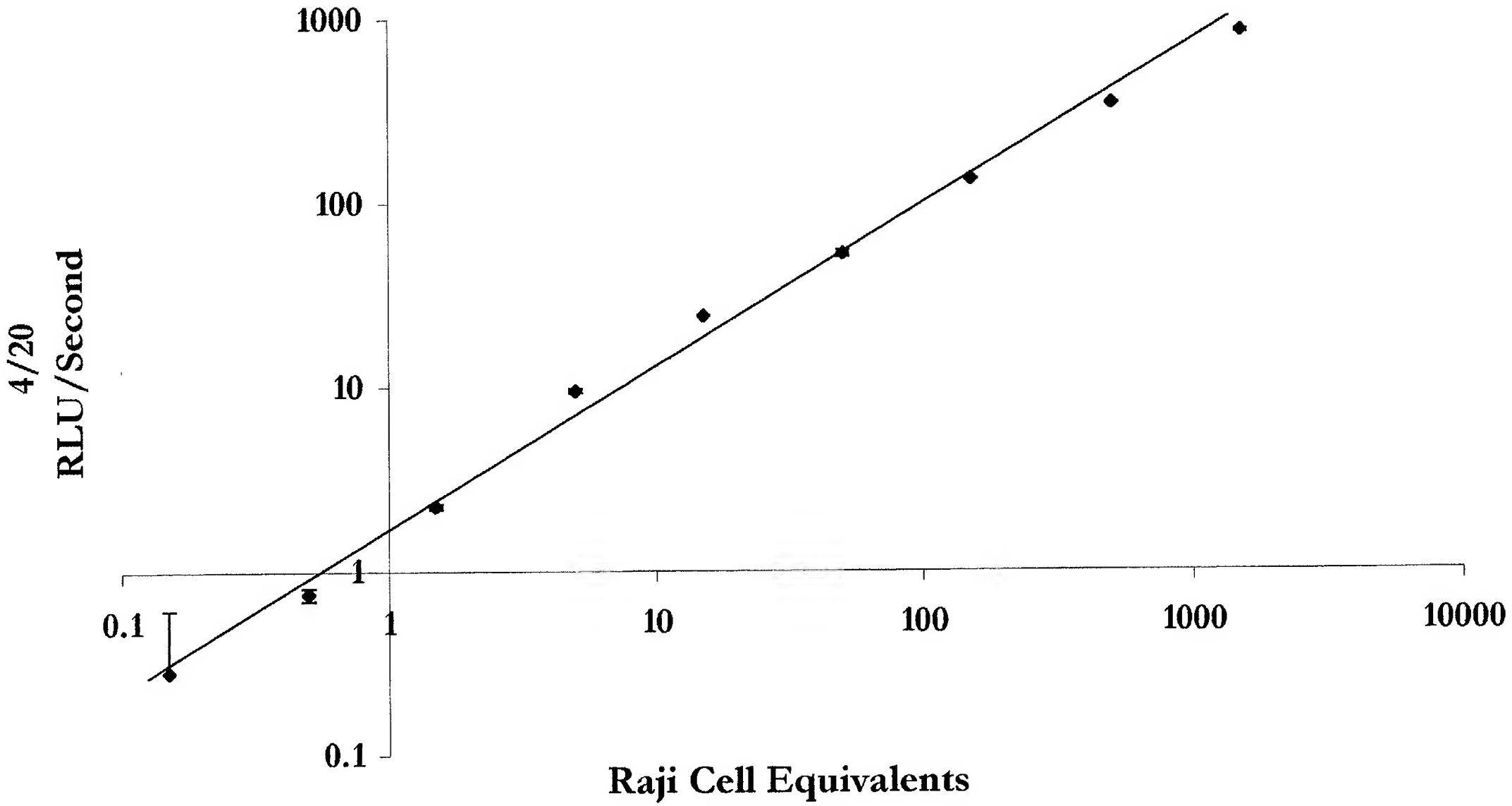


**Fig. 4**

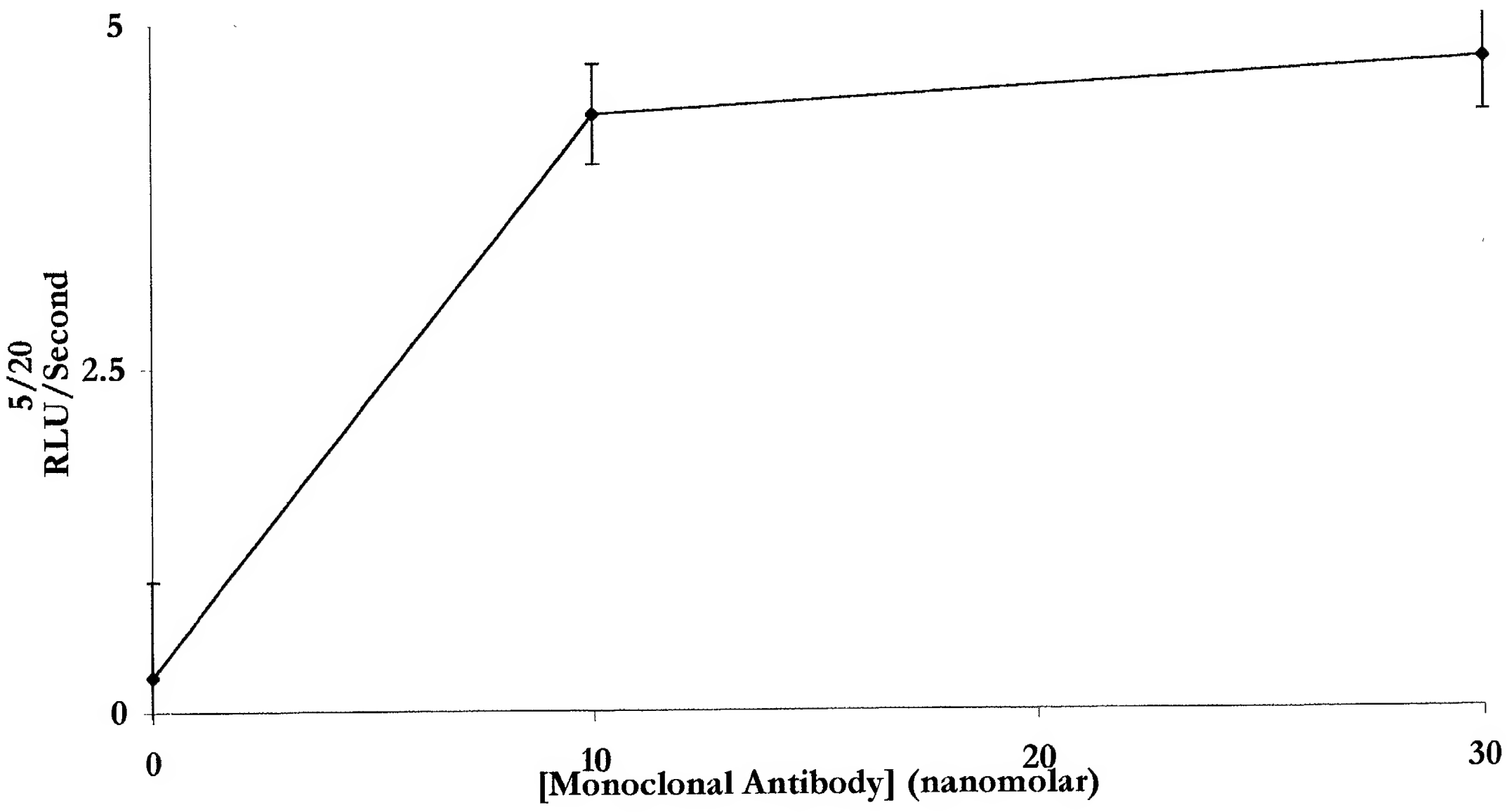
Effect of Anti-Factor I Antibody on Complement-Mediated Lysis of PC-3 Measured by DeathTRAK Homogenous Assay
5
2.5
0
5/20 RLU/Second
0
10
20
30
[Monoclonal Antibody] (nanomolar)

Fig. 5

## Effect of Anti-Factor I Antibody on Complement-Mediated Lysis of PC-3: Single-Point Readout

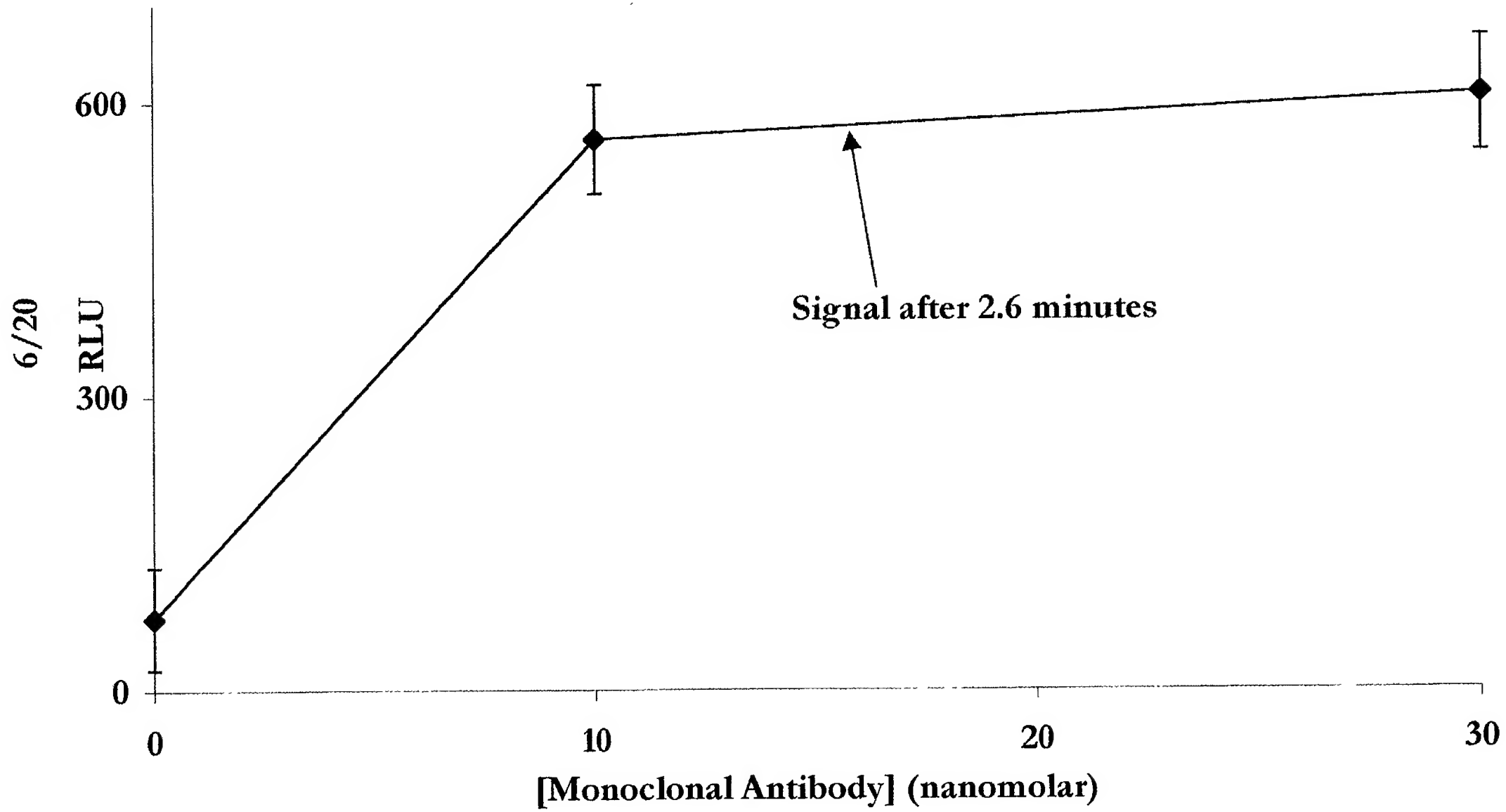


Fig. 6

# Effect of Additional ADP on Homogeneous DeathTRAK Signal

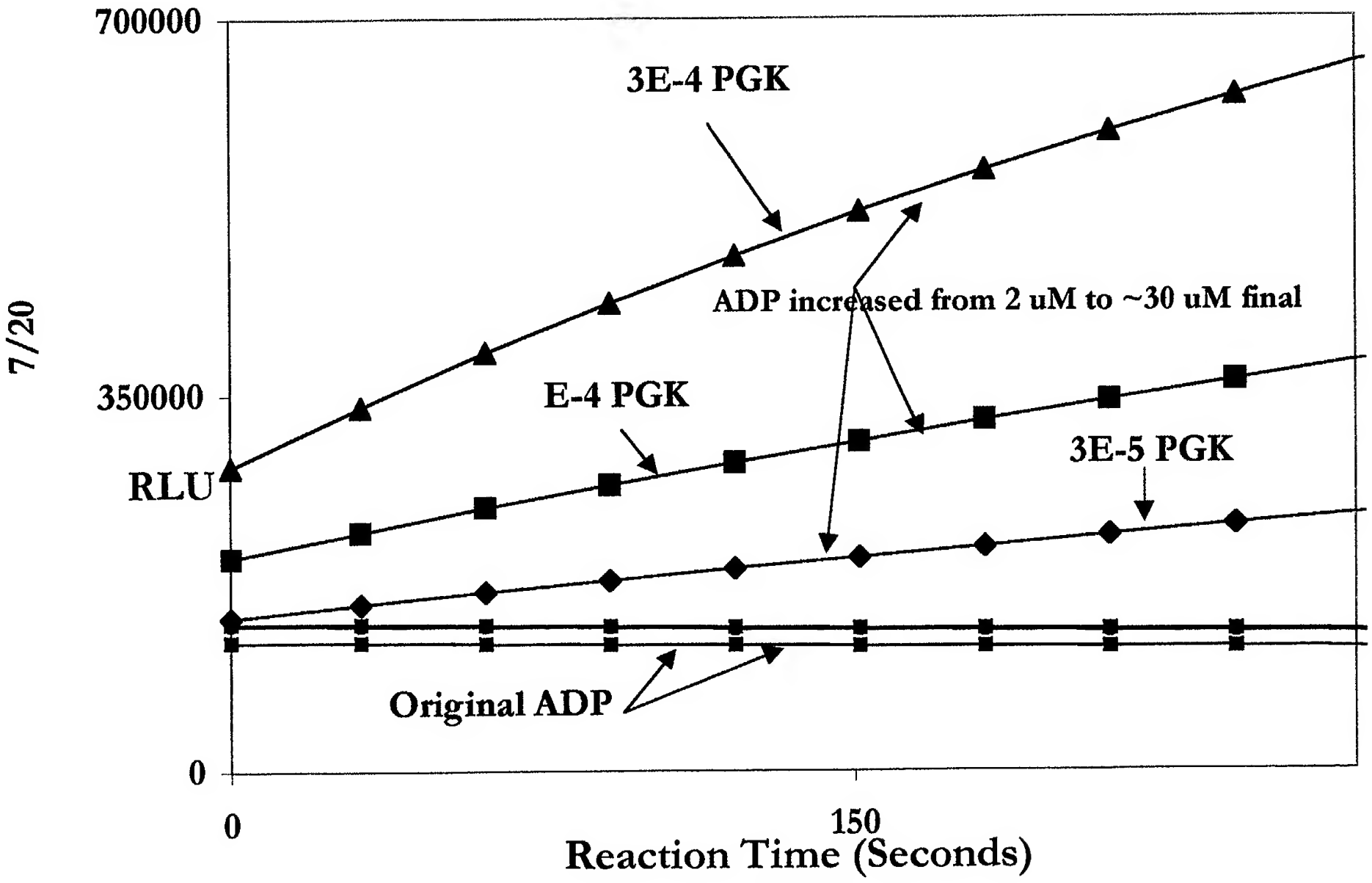


Fig. 7

# Lag Phase Example

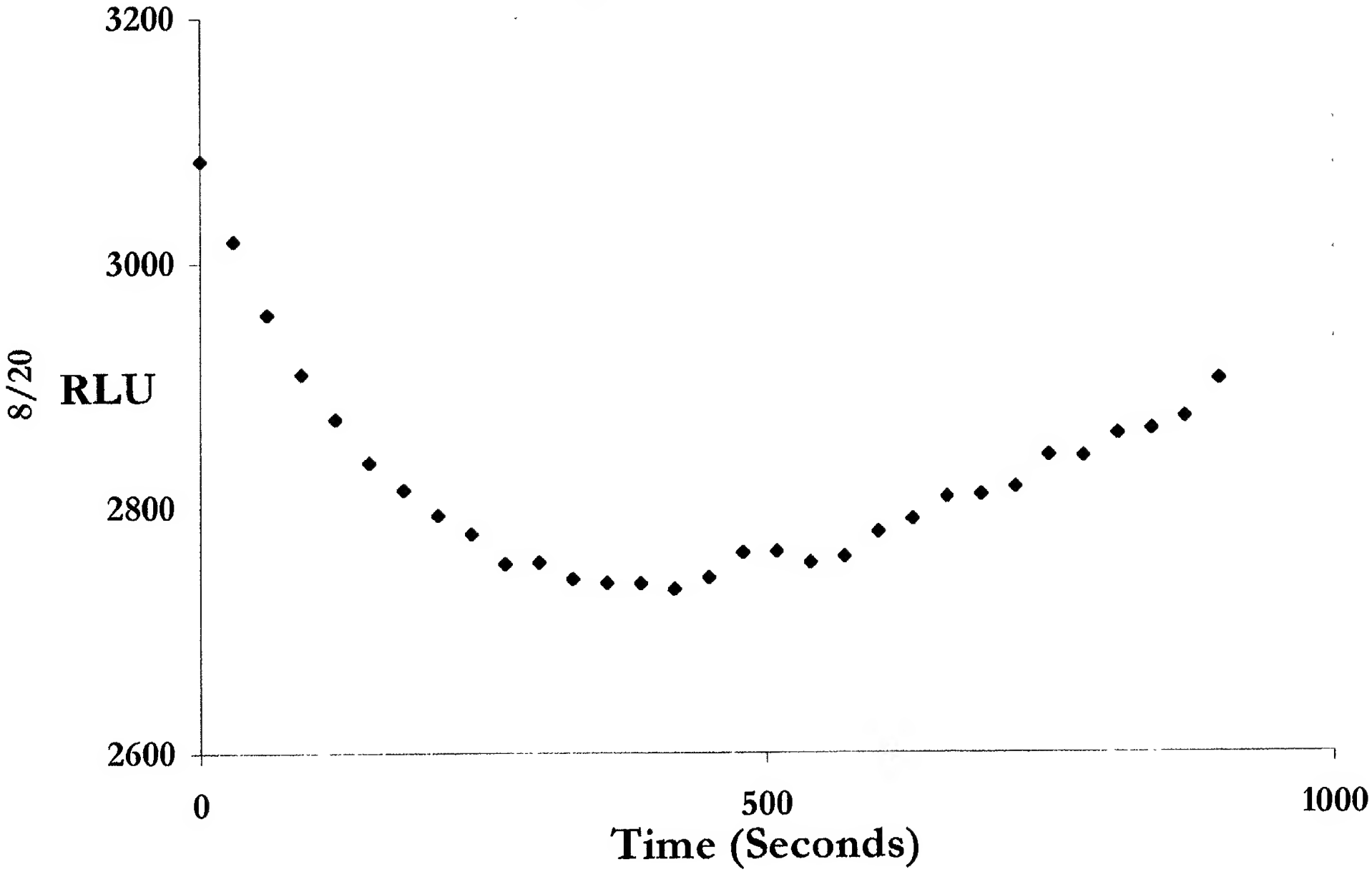


Fig. 8

## Absence of Lag Phase When Cocktail is Protected from Light After PGK Addition

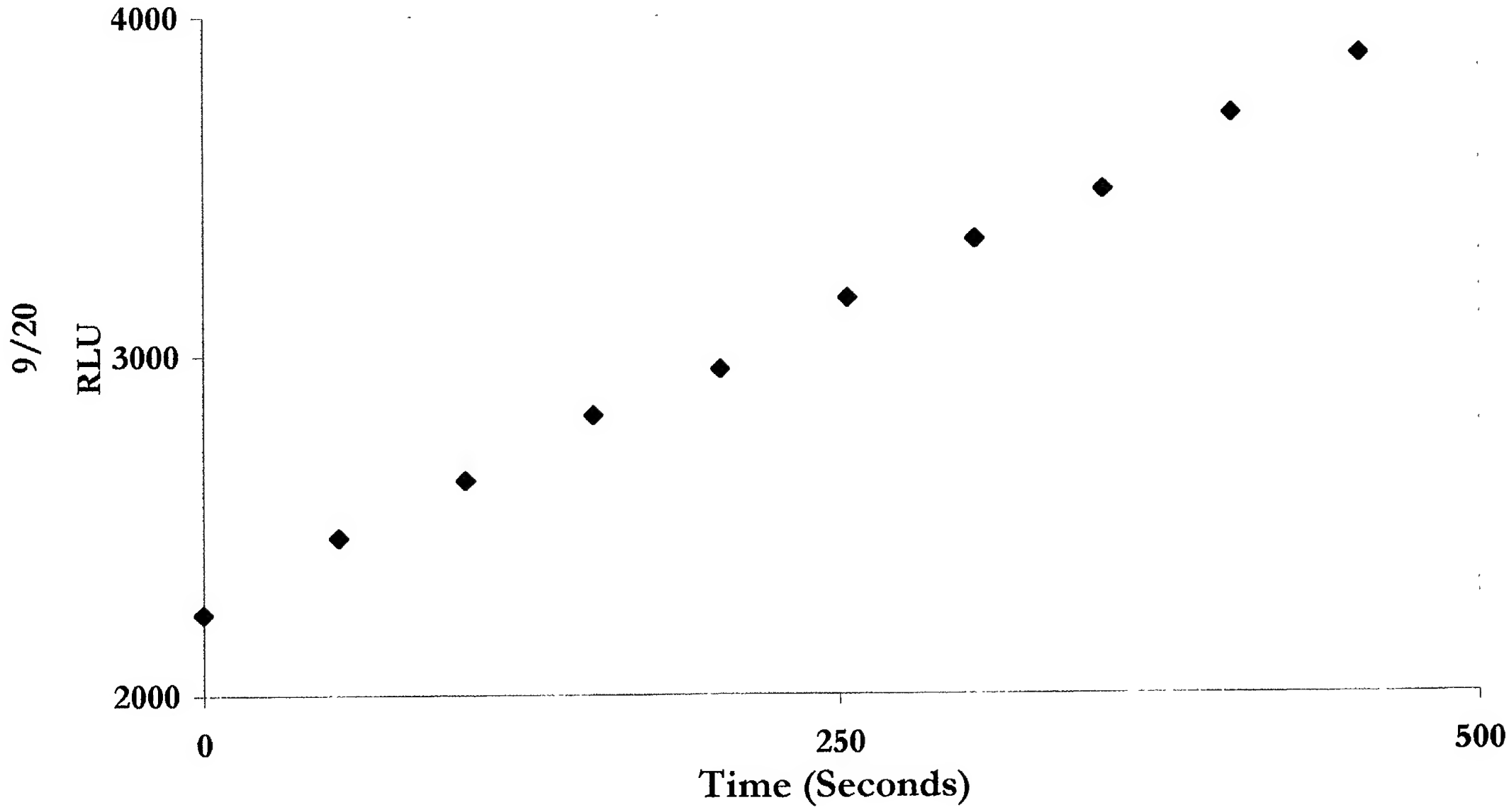


Fig. 9

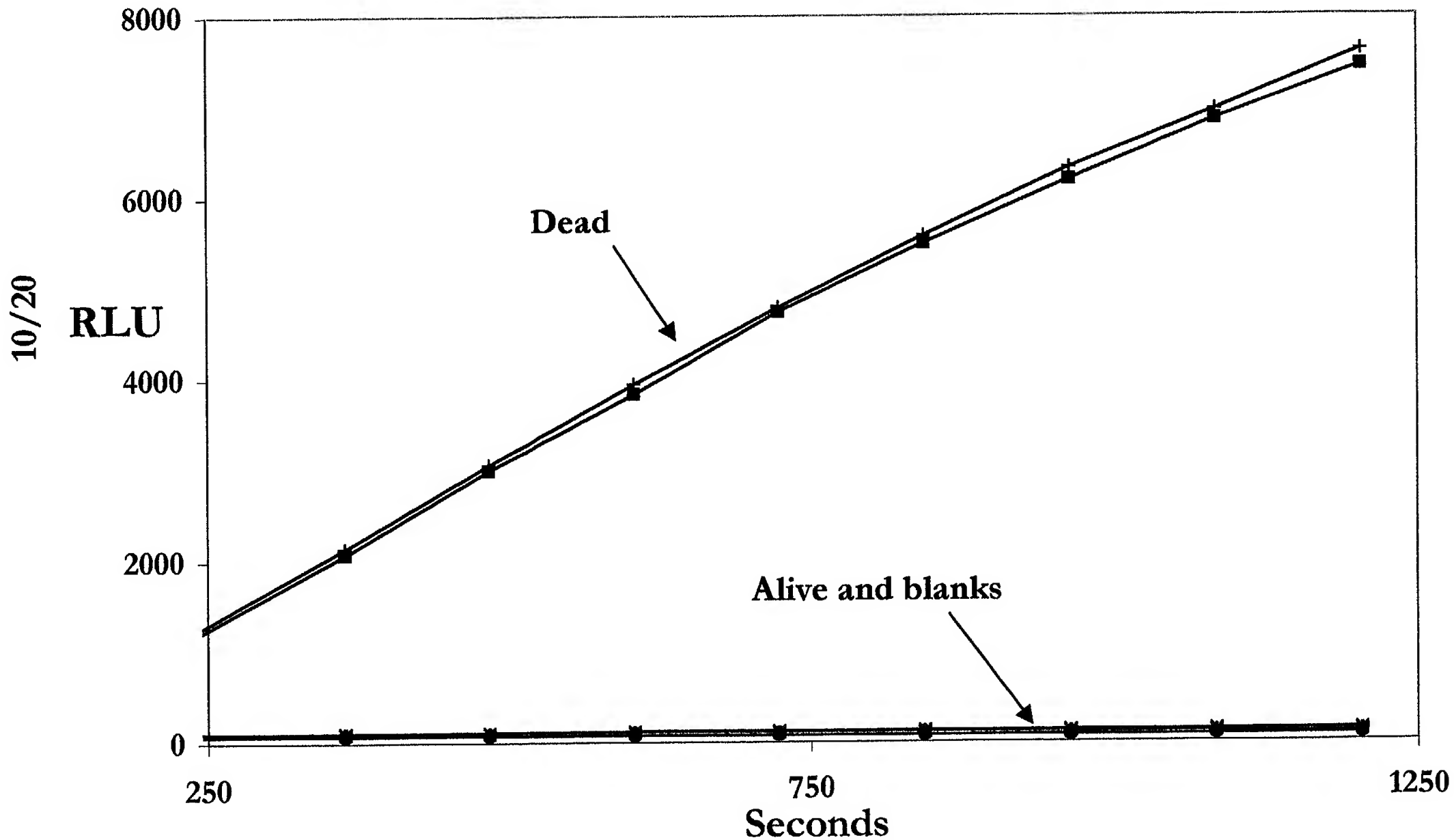
DeathTRAK Signal from Alive vs. Dead Cells (E. coli)
8000
6000
4000
2000
0
10/20
RLU
Dead
Alive and blanks
250
750
1250
Seconds

Fig. 10

# Protection of G3PDH in the Presence of Dead PC-3 Cells

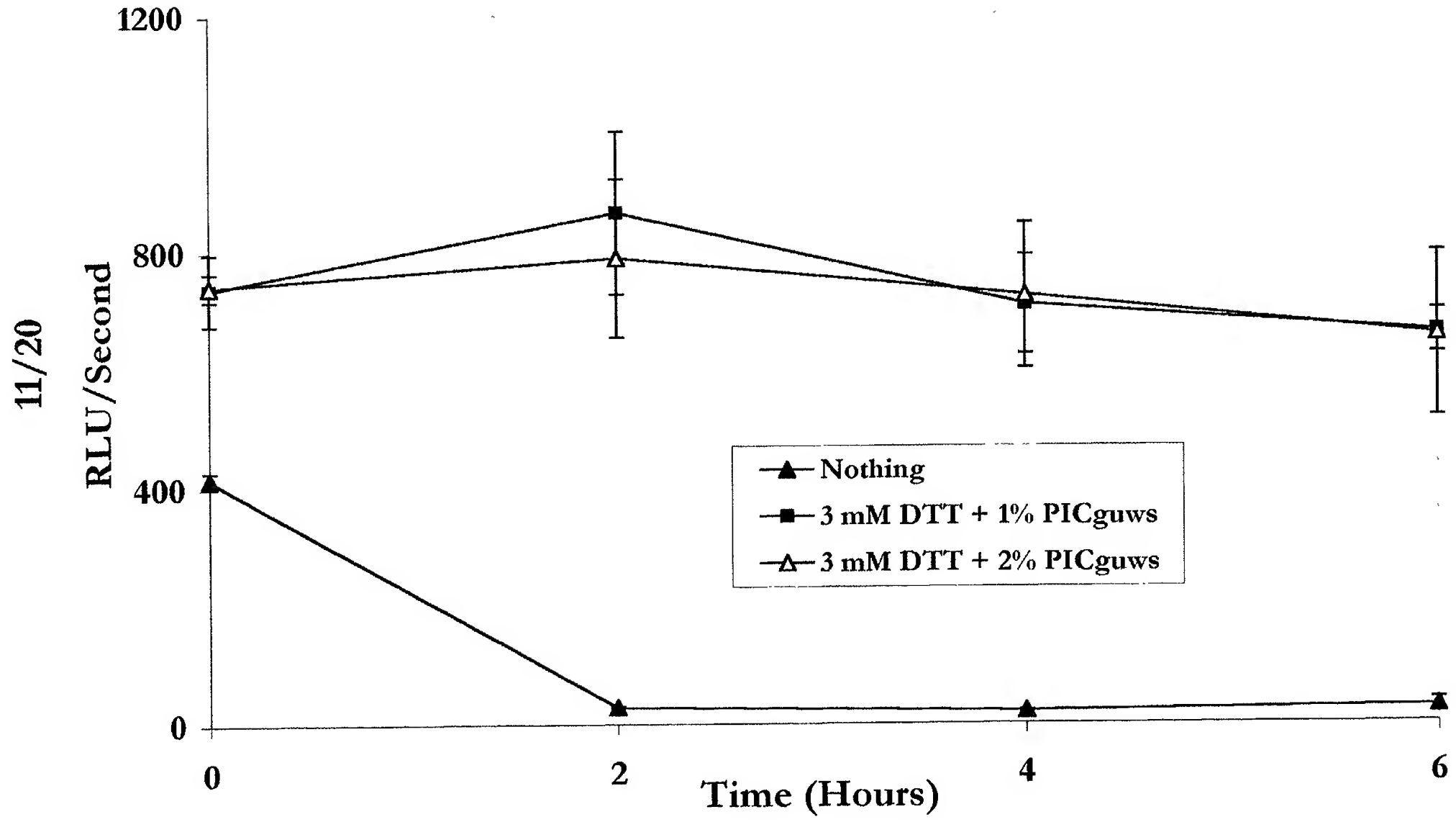


Fig. 11

## Cytotoxicity/Proliferation Mode with 841CON Cell Line

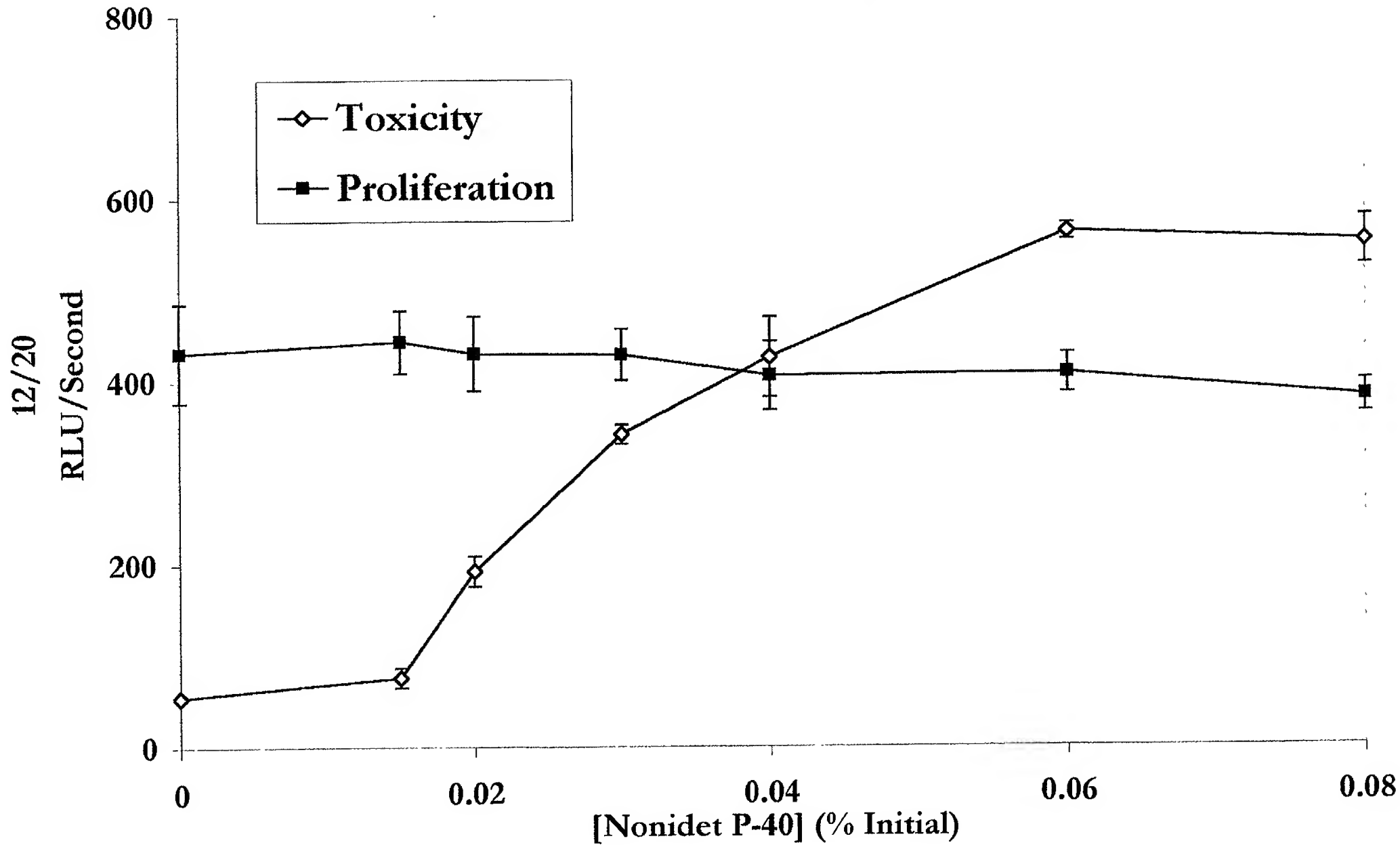


Fig. 12

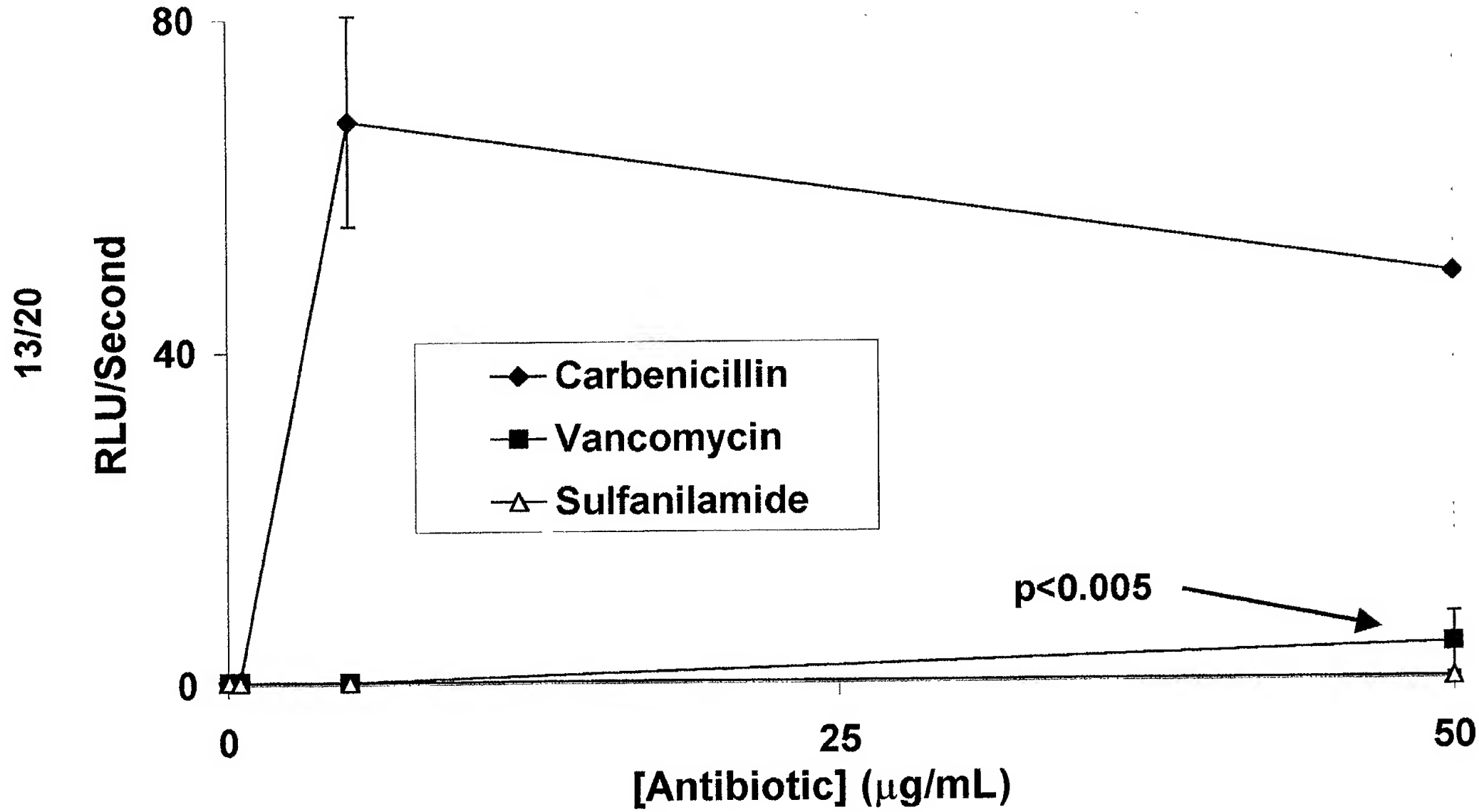
Toxicity of Three Antibiotics against E. coli K1
Measured by DeathTRAK
RLU/Second
80
40
0
Carbenicillin
Vancomycin
Sulfanilamide
p<0.005
0
25
50
[Antibiotic] (μg/mL)

Fig. 13

**Effects of Three Antibiotics on Proliferation/Viability of *E. coli* K1 Measured by DeathTRAK**

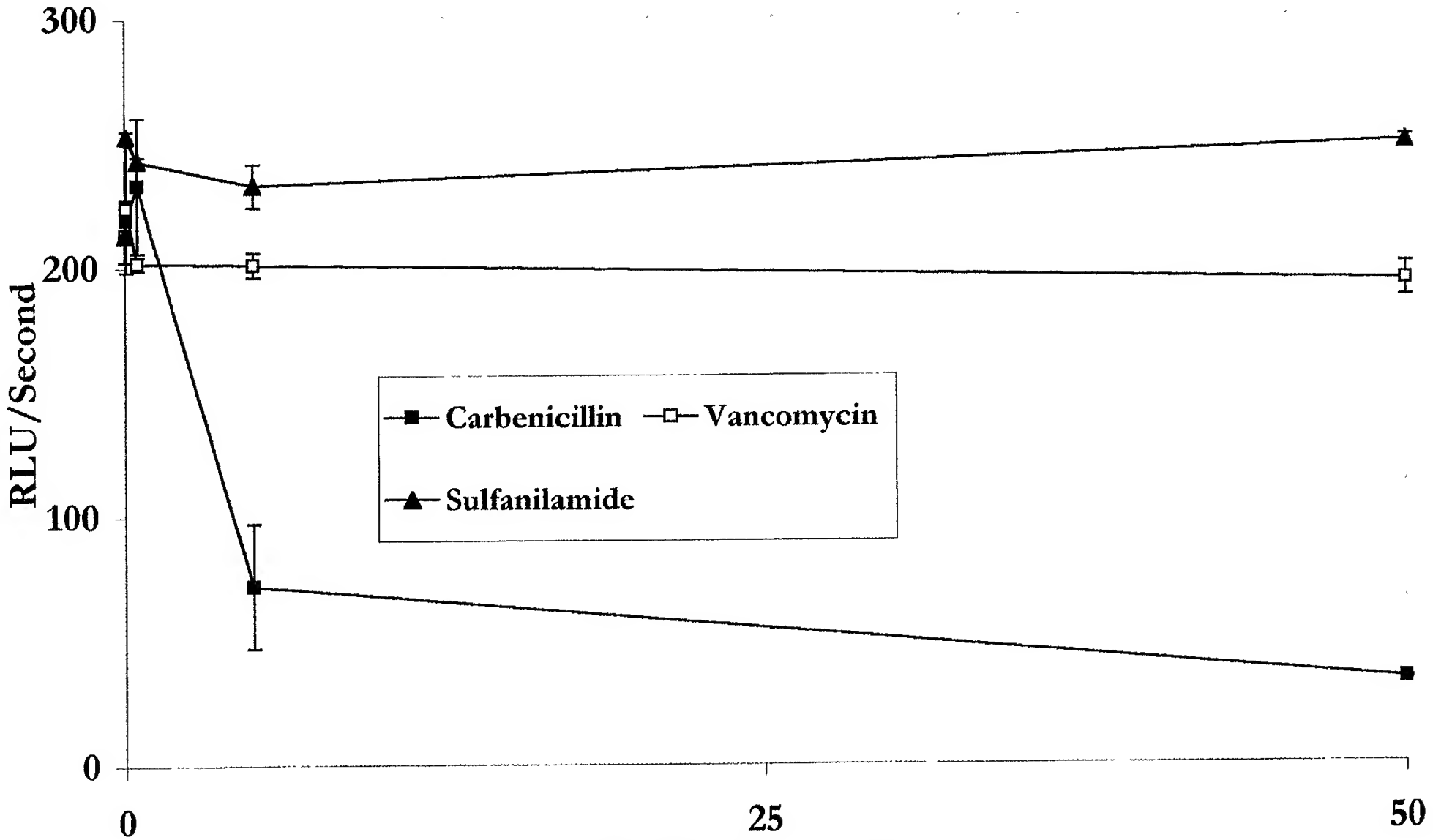


Fig. 14

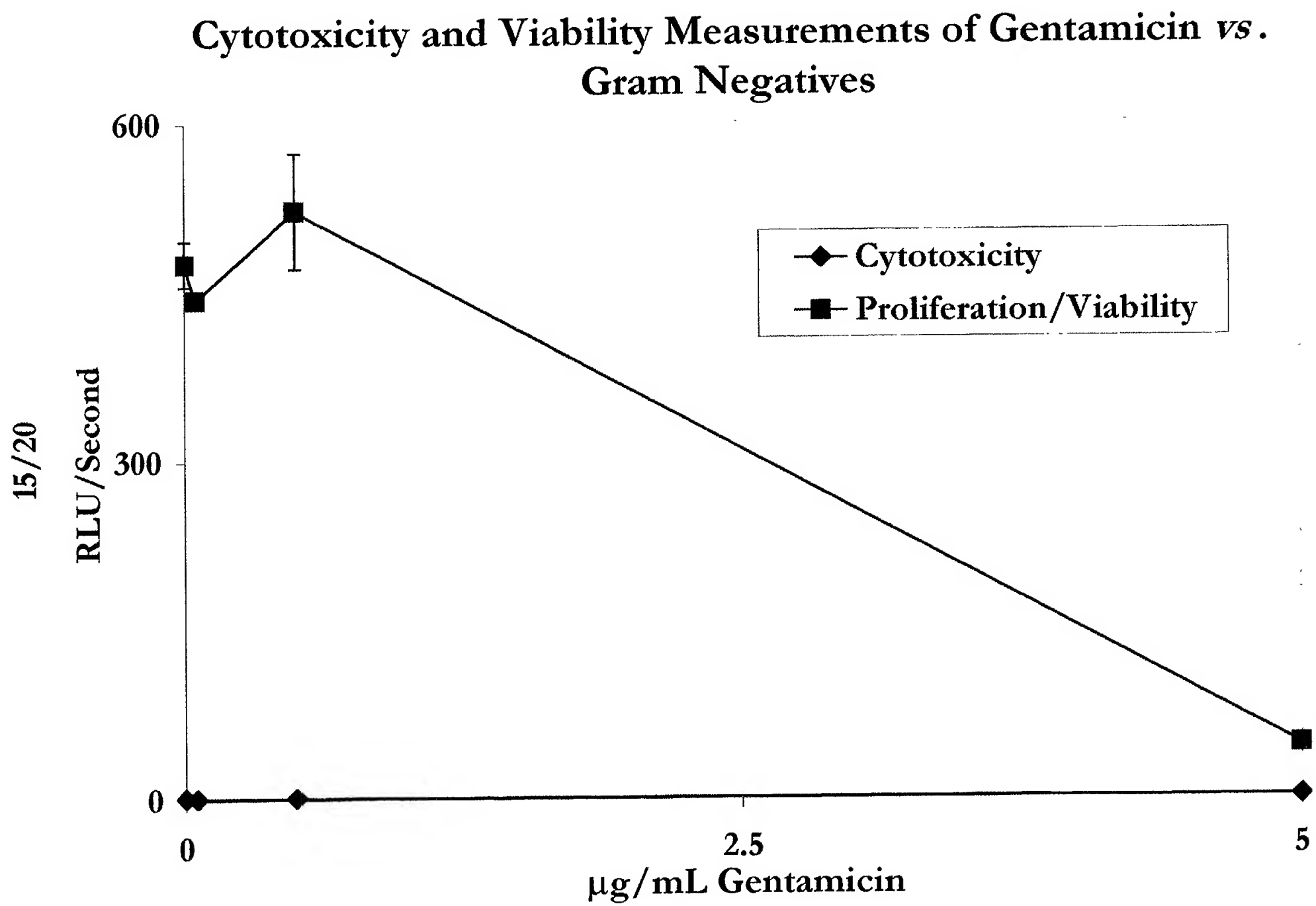
Cytotoxicity and Viability Measurements of Gentamicin *vs*. Gram Negatives
600
300
0
15/20 RLU/Second
Cytotoxicity
Proliferation/Viability
0
2.5
5
μg/mL Gentamicin

Fig. 15

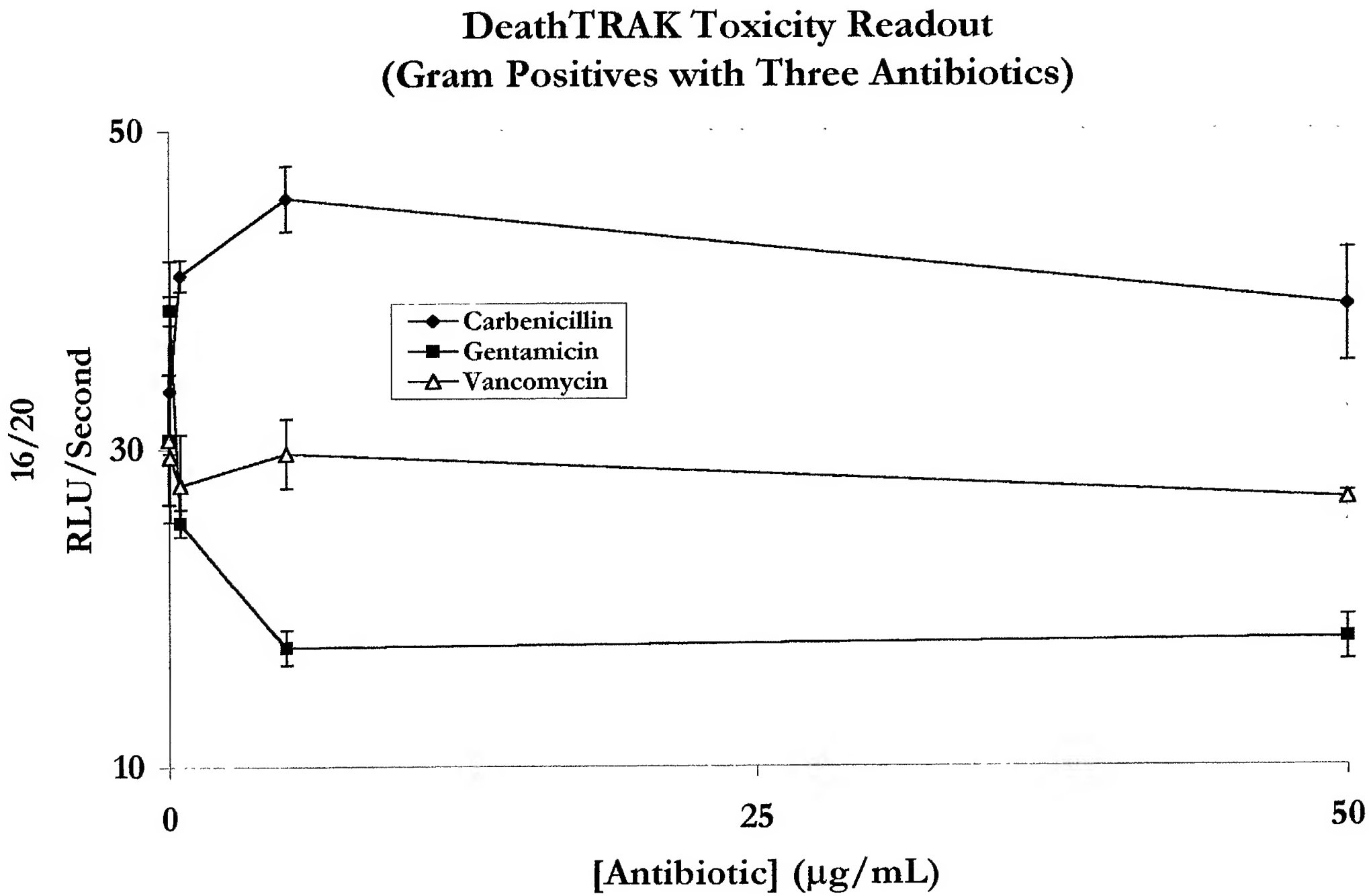
DeathTRAK Toxicity Readout
(Gram Positives with Three Antibiotics)
50
30
10
16/20
RLU/Second
Carbenicillin
Gentamicin
Vancomycin
0
25
50
[Antibiotic] (µg/mL)

Fig. 16

# Viability of Group-A Streptococcus Challenged with Three Antibiotics Measured by DeathTRAK

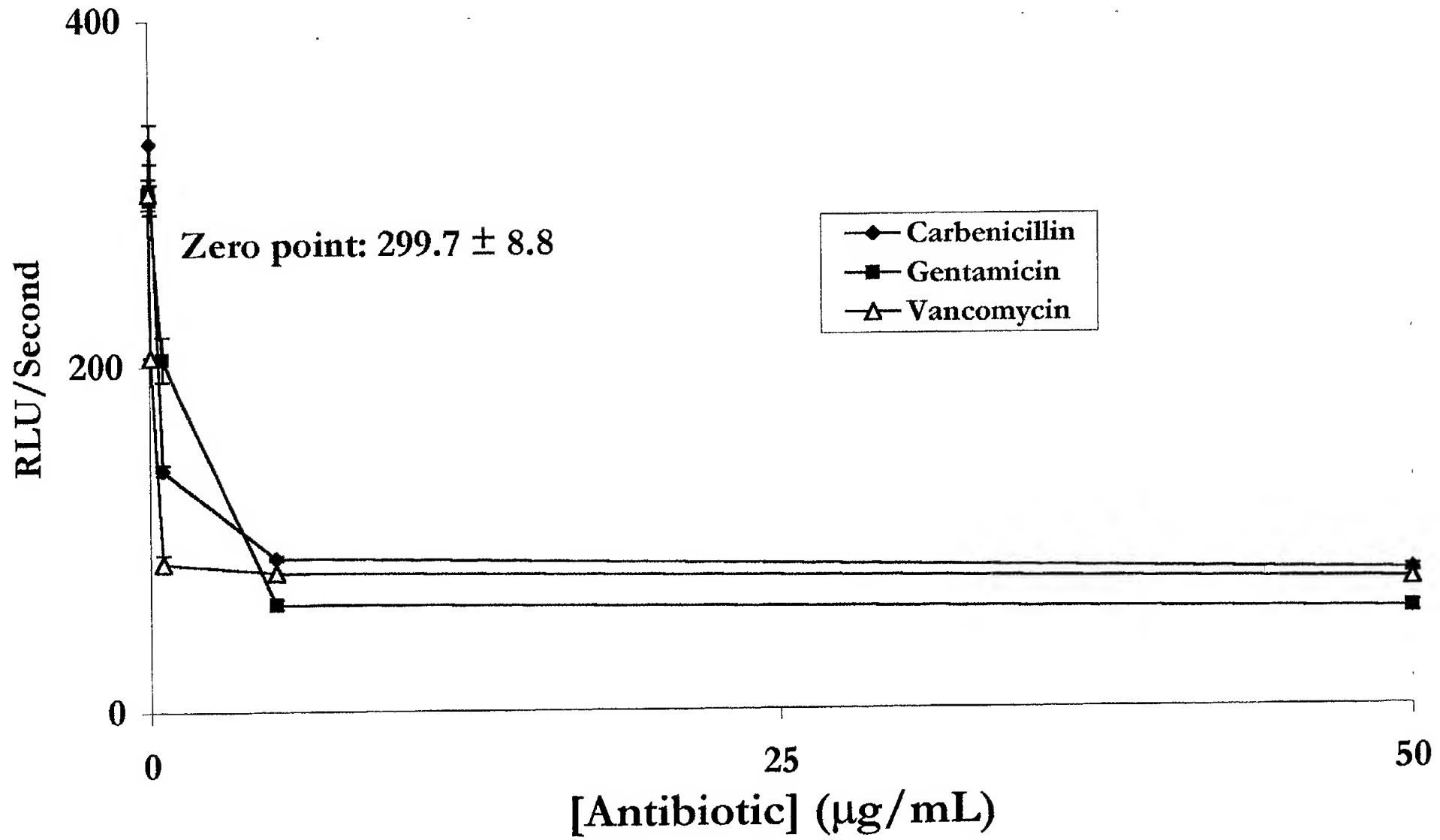


Fig. 17

# PhosTRAK Homogeneous Phosphatase Assay

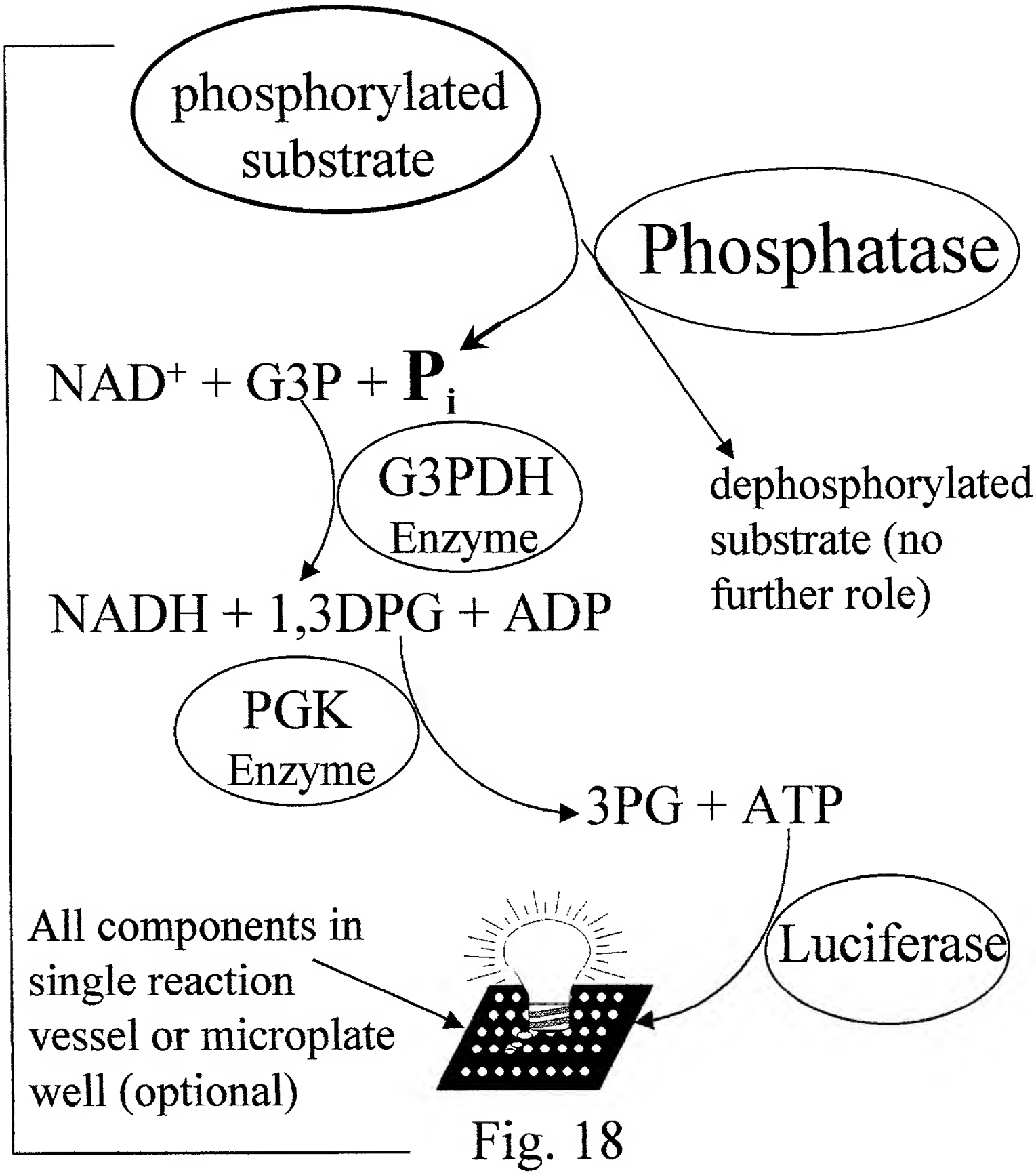


Fig. 18

# Detection of Free Phosphate by PhosTRAK

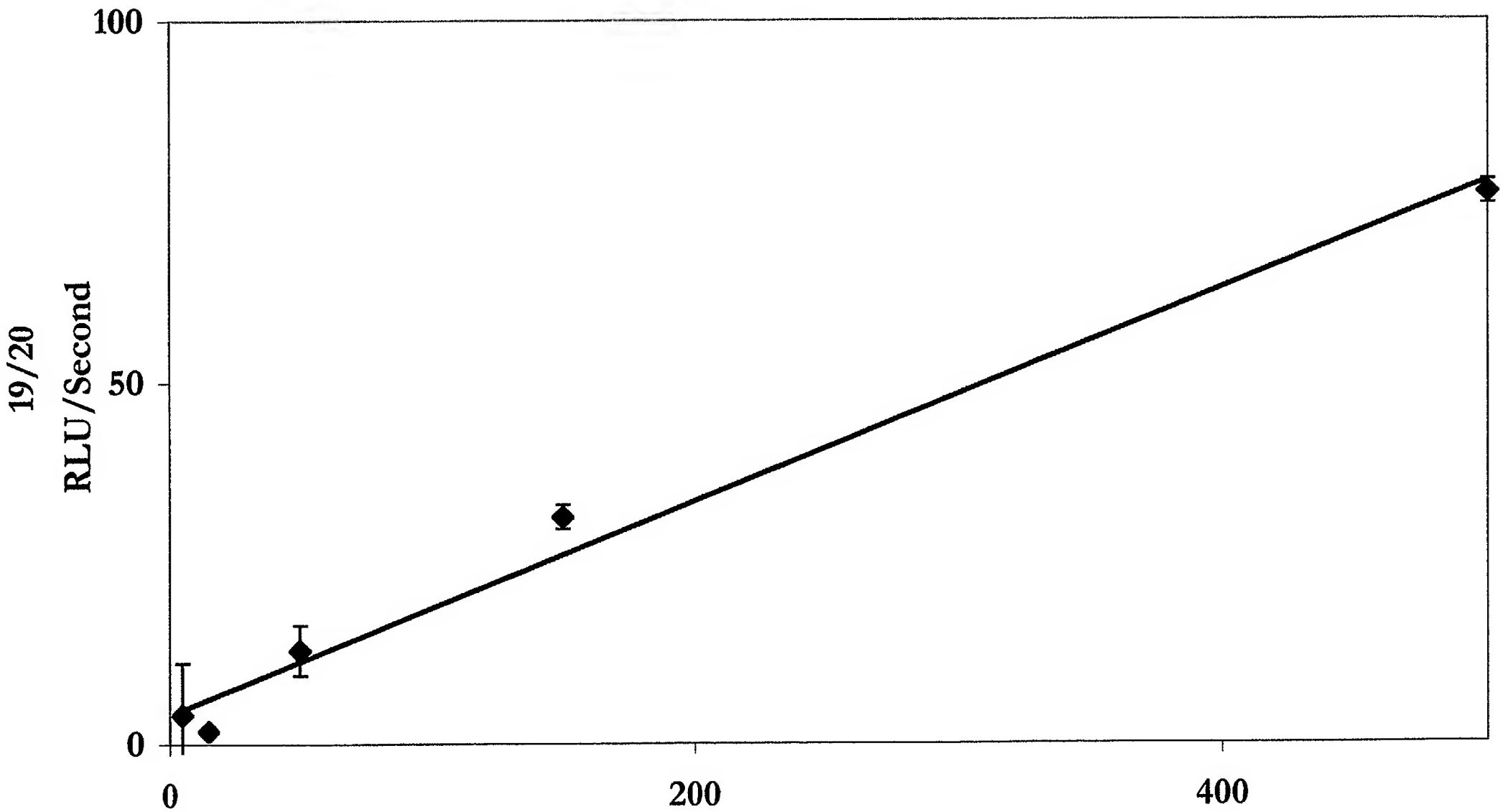


Fig. 19

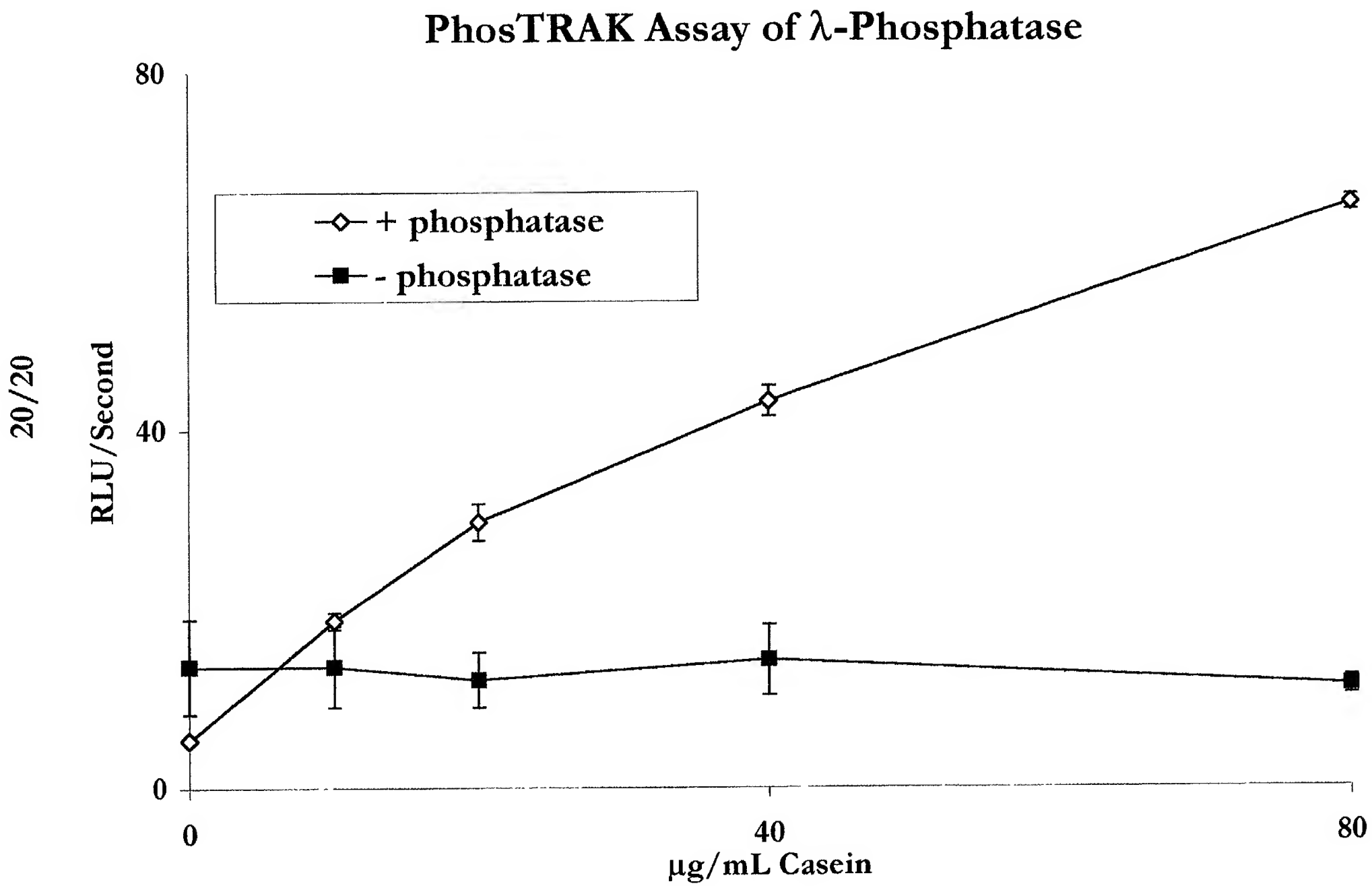
PhosTRAK Assay of λ-Phosphatase
80
40
0
20/20
RLU/Second
+ phosphatase
- phosphatase
0
40
80
µg/mL Casein

Fig. 20